

Application For Research Grant

*CF. PHS #50
activated 2/1/55 renewed
2/1/56 & 2/1/57*
Date: June 28, 1957

1. Name of Investigator:

**E. D. Warner, M. D., Professor of Pathology
K. R. Cross, M. D., Lecturer, Pathology**

2. Title:

Correlation of bronchial epithelial changes with comparable changes in other organs - A pathologic anatomic study.

3. Institution

& Address:

**Department of Pathology
College of Medicine
The State University of Iowa
Iowa City, Iowa**

4. Project or Subject:

We propose to study each consecutive autopsied case, attempting to correlate (1) the skin changes (senile elastosis, keratosis and malignant dysplasia) and (2) metaplastic changes in the bronchial mucosa, buccal mucosa, laryngeal mucosa, and mucosa from other organs (which is routinely available in our autopsy material) with the incidence of bronchogenic carcinoma.

5. Detailed Plan of Procedure (Use reverse side if additional space is needed):

In addition to the 15 sections of bronchial mucosa which we have been customarily taking, we will obtain small skin biopsies from the face and hand, a biopsy of buccal mucosa, a section including both true and false vocal cords and a section from the urinary bladder near the ureteral orifices. Materials and histories from cases already collected may also be used.

We will continue to supplement our clinical histories by means of questionnaires mailed to the next of kin as well as through interviews with the patients since we have been gratified with the response to the former method and with the correlation between the two.

Our research team developed for Pathologic Anatomic Study of Human Bronchi is still intact so that we can proceed immediately with the project.

In view of the aging population which comprises the majority of our hospital census and with the high autopsy rate which we have been able to maintain, we feel that we have ideal source material for a project of this nature.

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6. Budget Plan:

Salaries	Technician	\$ 420
Expendable Supplies		500
Permanent Equipment		
Overhead	(8%)	80
Other		
Total		\$1000

7. Anticipated Duration of Work: One year

8. Facilities and Staff Available:

Our research team developed for Pathologic Anatomic Study of Human Bronchi is still intact so that we can proceed immediately with the project.

9. Additional Requirements:

This request is for \$1000 to supplement \$3000 of unexpended balance on hand. The total of \$4000 will be used to conduct the project outlined above.

10. Additional Information (Including relation of work to other projects and other sources of supply):

Signature _____
Director of Project **WARNER**

J. J. JONES Business Manager and
Secretary

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